Data Sheet
FUJITSU Server PRIMERGY MX130 S2 Mirco Server

Micro server for macro results

With limited budgets and resources, small businesses must focus on maximizing productivity at minimum cost. Fujitsu Server PRIMERGY MX Micro Server increase the productivity of small businesses. How? By providing affordable, uncomplicated, reliable server technology on which to centralize their IT services. PRIMERGY MX servers are ultra-compact and whisper quiet, making them perfect for small offices. Their reliability is proven by testing through 5000 boot cycles – far more than other vendors do. The servers also minimize their environmental impact and operating costs through power supplies with a best-in-class energy efficiency of 85%. PRIMERGY MX servers let you focus on your top priority: your customer – not the IT!

PRIMERGY MX130 S2

The Fujitsu Server PRIMERGY MX130 S2 is just what small businesses need. The MX130 S2 is a solid platform on which to base your file, web or print services. It increases your company's potential by offering server reliability, efficiency and great value. The running costs and environmental impact are micro too, thanks to the 85% efficient power supply unit. If you think of servers as complicated, space-eating machines, then think again. The MX130 S2 comes in an ultra-compact chassis which can also be used horizontally. And, best of all, it is so silent you will hardly know it is there. PRIMERGY MX130 S2 – the micro server for macro results.

Features & Benefits

Main Features	Benefits
■ 24x7 performance, server ECC memory, onboard RAID 0/1/10 and optional Trusted Platform Module (TPM)	■ Higher data safety and reliability than using PCs with external USB drives or optical media
■ Up to 16 GB DDR3 ECC RAM	■ Share information by running office server applications
■ Can integrate up to 4x 3.5-inch HDDs or up to 6x 2.5-inch HDDs	■ Flexible and expandable base unit
■ Ultra-compact form factor with less than 13 liters volume - can be used everywhere in either vertical or horizontal position	■ Ideal for all environments where space is scarce, e.g. small offices, retail environments or education
■ High energy efficiency with 85% efficiency power supply unit (PSU)	■ Benefit from Fujitsu's pioneering experience in Green IT - save money and minimize environmental impact

Technical details

Mainboard	
Mainboard type	D3090
Chipset	AMD 880G
Processor quantity and type	1 x AMD Athlon™ II / AMD Opteron™ 3000 series / AMD FX series
Processor	AMD Athlon™ II X2 220 (2 Cores, 2.8 GHz, SLC: 1 MB)
	AMD Opteron™ 3350 (8 Cores, 2.8 GHz, TLC: 8 MB)
Memory slots	4
Memory slot type	DIMM (DDR3) ECC
Memory capacity (min. - max.)	2 GB - 16 GB
Memory protection	ECC
Memory notes	Mix and match possible, with dual channel operation better performance (2 modules with equal capacity necessary). Single channel (1 module) configuration possible.
Memory options	2 GB (1 module(s) 2 GB) DDR3, ECC, 1333 MHz, PC3-10600, DIMM
	4 GB (1 module(s) 4 GB) DDR3, ECC, 1333 MHz, PC3-10600, DIMM
Interfaces	
USB 2.0 ports	12 (2 x front, 6 x back, 4 x internal)
DVI	1 (Dual link DVI-I), ATI Radeon® HD 4250 (up to 2811MB) on board
Graphics (15-pin)	1 No dedicated 15-pin VGA port available. VGA is available via the supplied DVI to VGA adapter.
Audio: line-in	1
Audio: line-out	1
Audio: microphone	1
Audio: comments	For projects only
Serial connection	1 9pin, 16 byte FIFO, 16550 compatible
Mouse / Keyboard (PS/2)	2
LAN / Ethernet (RJ-45)	1 Gbit/s Ethernet
I/O controller on board	
RAID controller	6 port SATA with RAID 0/1/10 for HDDs
SATA Controller	SATA II
LAN Controller	BCM 57780, 10/100/1000 Mbit/s Ethernet, PXE-Boot by LAN via PXE-Server
Trusted Platform Module (TPM)	Infineon / 1.2 (option)
Slots	
PCI-Express 2.0 x4	1 x Low profile max. length 180mm
PCI-Express 2.0 x16	1 x Low profile max. length 180mm
PCI-Express x1	1 x Low profile max length 85mm
PCI-slots	1 x Low profile max. length 180mm
Slot Notes	PCI 32/33 MHz, 3.3V/5V
Drive bays	
Storage drive bays	3.5-inch non hot-plug SATA
Storage drive bay configuration	Max 4 (2+2) x 3.5-inch (2 x Easy Change, 2 x screw-in) On project request through Fujitsu sales alternatively 2.5-inch configurations possible
Accessible drive bays	1 x 5.25/1.6-inch for slimline ODD and 3.5-inch HDD (internal), or backup devices, or 1.6-inch height ODD, or 3.5-inch HDD (internal) 1 x 5.25/0.5-inch for slimline ODD, or 1 x 3.5-inch HDD (internal)
Notes accessible drives	All possible option described in System Architect.
Number of fans	3
Fan configuration	Front-fan, CPU-fan, PSU-fan

Fan notes	Non hot plug
Operating panel	
Operating buttons	On/off switch
Status LEDs	Power (green)
Operating systems	
Certified or supported operating systems and virtualization software	Microsoft® Hyper-V Server R2 2012 Microsoft® Windows Server® 2012 R2 Datacenter Microsoft® Windows Server® 2012 R2 Standard Microsoft® Windows Server® 2012 R2 Essentials Microsoft® Windows Server® 2012 R2 Foundation Microsoft® Windows Storage Server 2012 R2 Standard Microsoft® Hyper-V Server 2012 Microsoft® Windows Server® 2012 Datacenter Microsoft® Windows Server® 2012 Standard Microsoft® Windows Server® 2012 Essentials Microsoft® Windows Server® 2012 Foundation Microsoft® Windows Storage Server 2012 Standard Microsoft® Hyper-V™ Server 2008 R2 Microsoft® Windows Server® 2008 R2 Standard Microsoft® Windows Server® 2008 R2 Foundation
Operating system release link	http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473
Operating system notes	Novell® certification Red Hat® certification Support of other Linux derivatives on demand
Server Management	
Dimensions / Weight	
Floor-stand (W x D x H)	98 x 383 x 340 mm
Dimension notes	Dimensions in vertical position (excluding feet)
Weight	approx. 8 kg
Weight notes	Actual weight may vary depending on configuration
Environmental	
Operating ambient temperature	10 - 35 °C
Operating environment	FTS 04230 – Guideline for Data Center (installation specification)
Operating environment Link	http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe
Noise emission	According to ISO9296
Sound pressure (LpAm)	20 dB(A) (idle)/ 20 dB(A) (operating); may vary according to configuration.
Sound power (LWAd; 1B = 10dB)	3.5B (idle) / 3.5B (operating); may vary according to configuration.
Noise notes	Noise emissions and operation modes depend on system configuration.
Electrical values	
Power supply configuration	1
Max. output of single power supply	250 W
Power supply efficiency	85 %
Rated voltage range	100 V - 240 V
Rated frequency range	47 Hz - 63 Hz
Rated current max.	3.5 A - 1.5 A (100 V / 240 V)
Active power (max. configuration)	159 W
Active power note	To estimate the power consumption of different configurations use the Power Calculator of the System Architect: http://configurator.ts.fujitsu.com/public/
Heat emission	572.4 kJ/h (542.5 BTU/h)
Compliance	
Product	PRIMERGY MX130 S2

Compliance	
Model	DT8-D3090
Germany	GS
Europe	CE Class A *
USA/Canada	FCC Class A CSAc/us
Global	CB RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment)
Japan	VCCI
Russia	GOST-R
South Korea	KC
Australia/New Zealand	C-Tick
Taiwan	BSMI
Saudi Arabia	SASO
Compliance notes	There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request.
Compliance link	http://globalsp.ts.fujitsu.com/sites/certificates
Global	
Compliance link	http://globalsp.ts.fujitsu.com/sites/certificates

Components

Storage drives	HDD SATA, 2000 GB, 7200 rpm, 3.5-inch, economic
	HDD SATA, 1000 GB, 7200 rpm, 3.5-inch, economic
	HDD SATA, 500 GB, 7200 rpm, 3.5-inch, economic
	HDD SATA, 250 GB, 7200 rpm, 3.5-inch, economic
	HDD SATA, 6 Gb/s, 500 GB, 7200 rpm, non hot plug, 3.5-inch, business critical
	HDD SATA, 6 Gb/s, 2 TB, 7200 rpm, non hot plug, 3.5-inch, business critical
	HDD SATA, 6 Gb/s, 1 TB, 7200 rpm, non hot plug, 3.5-inch, business critical
Backup Drives	RDX Drive, 320 GB, 500 GB, 1 TB , 25 MB/s, half height, USB 3.0
Optical drives	DVD-ROM, SATA I
	DVD Super Multi, SATA I
Communication, Network	Ethernet Ctrl. 1 x 1 Gbit/s ( )
	Ethernet Ctrl. 4 x 1 Gbit/s PCIe x4 (Fujitsu)

Warranty	
Standard Warranty	1 year
Service level	Onsite Service
Warranty Terms & Conditions	http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM
Maintenance and Support Services - the perfect extension	
Support Pack Options	Globally available in major business areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time 24x7, 4h Onsite Response Time
Recommended Service	9x5, Onsite Response Time: Next Business Day
Service Lifecycle	5 years after end of product life
Service Weblink	http://www.fujitsu.com/fts/services/support

More information

Fujitsu OPTIMIZATION Services

In addition to Fujitsu PRIMERGY MX130 S2, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio
Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu PRIMERGY MX130 S2, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.
Please find further information at http://www.fujitsu.com/global/about/environment

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Contact
FUJITSU LIMITED

Website: www.fujitsu.com
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